

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 59-051177

(43)Date of publication of application : 24.03.1984

(51)Int. Cl.

F04B 39/02
F16N 29/00

(21)Application number : 57-162538

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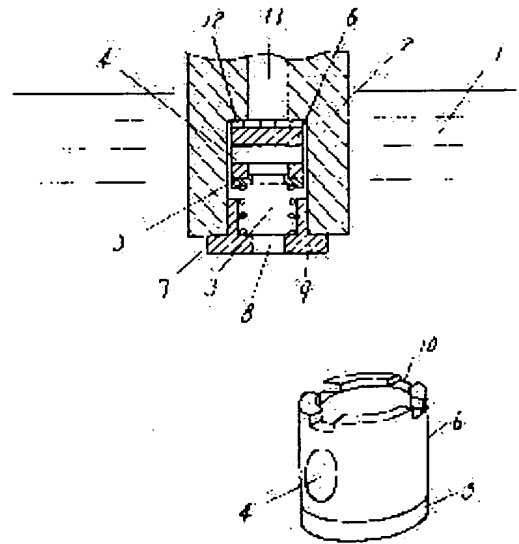
(22)Date of filing : 17.09.1982

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(54) LUBRICATING DEVICE OF COMPRESSOR

(57)Abstract:

PURPOSE: To enable feed of lubricating oil to be stabilized in response to the operation state of a compressor by adjusting an oil passage opening while changing a spring constant based on lubricating oil temperature.
CONSTITUTION: Lubricating oil in an oil reservoir 1 flows due to the operation of a pump device or the differential pressure through an oil passage 8, a cylinder 3, an oil passage 4, and a notched groove 10 into an oil passage 11. When the temperature of the lubricating oil exceeds the specific temperature, the coefficient of linear expansion of a coil spring 7 rapidly increases to cause a larger spring constant, and a rubber-made valve body 6 is pushed up and the height of the notched groove 10 is decreased, allowing the opening of the notched groove 10 to be reduced. When the temperature of the lubricating oil drops below the specific temperature, the spring constant is reduced and the height of notched groove 10 of the valve body 6 returns to the original shape due to the elastic force of rubber, so that it is possible to stably supply lubricating oil.



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[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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